

Apply ImageDataGenerator Functionality To Trainset And Testset

If we apply ImageDataGenerator functionality to Trainset and Testset by using the following code
For Trainingset using flow_from_directory function.

This function will return batches of images from the subdirectories 0,1,2,3,4,5 together with labels 0 to 5{'0': 0, '1': 1, '2': 2, '3': 3, '4': 4, '5': 5}

Arguments:

- Directory: we know the directory where the data is located. If labels is "inferred", it should contain subdirectories, each containing images for a class. Otherwise, the directory structure is ignored.
- Batch_size: Size of the batches of data. Default: 32.
- Target_size: Size to resize images to after they are read from disk.
- Class_mode:
 - 'int': means that the labels are encoded as integers (e.g. for sparse_categorical_crossentropy loss).
 - 'categorical' means that the labels are encoded as a categorical vector (e.g. for categorical_crossentropy loss).
 - 'binary' means that the labels (there can be only 2) are encoded as float32 scalars with values 0 or 1 (e.g. for binary_crossentropy).
 - None (no labels).